

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 104685.05		APPLICATION NO. Rule 53(b) Continuation of 10/346,082 filed January 17, 2003 10/829,159	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) Hiroshi CHIBA		GROUP	
				FILING DATE April 22, 2004			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
AM		3,583,790	06-1971	Baker		—	
		4,883,345	11-1989	Anzai et al.		—	
		4,888,614	12-1989	Suzuki et al.		—	
		4,259,004	03-1981	Tateoka et al.		—	
		4,730,900	03-1988	Uehara et al.		—	
		4,965,630	10-1990	Kato et al.		—	
		5,095,386	03-1992	Scheibengraber		—	
		5,117,255	05-1992	Shiraishi et al.		—	
		5,260,832	11-1993	Togino et al.		—	
↓		5,309,198	05-1994	Nakagawa		—	
AM		5,350,924	09-1994	Stengl et al.		—	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
AM		JP-A-61-254915	11-1986	Japan (with abstract)		—	
		JP-A-62-35620	02-1987	Japan (with abstract)		—	
		JP-A-63-185024	07-1988	Japan (with abstract)		—	
		JP-A-4-355419	12-1992	Japan (with abstract)		—	
↓		JP-A-5-173065	07-1993	Japan (with abstract)		—	
AM		JP-A-63-6553	01-1988	Japan		—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
AM		English-language translation of JP-A-63-6553					
AM		U.S. Patent Application Serial No. 08/254,780 to Miyai et al., filed June 6, 1994.					
AM		U.S. Patent Application Serial No. 08/310,987 to Ototake et al., filed September 23, 1994.					
AM		U.S. Patent Application Serial No. 08/360,515 to Sasaya et al., filed December 21, 1994.					
EXAMINER				DATE CONSIDERED			
Alan Mathews				10-11-2005			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>AM</i> ↓ <i>AM</i>		5,105,075	04-1992	Ohta et al.			
		5,392,119	02-1995	McArthur et al.			
		5,308,991	05-1994	Kaplan			
		5,367,406	11-1994	Suzuki et al.			
		5,432,587	07-1995	Nozue			
		4,943,733	07-1990	Mori et al.			
		4,801,808	01-1989	Hamasaki			
		5,459,577	10-1995	Ototake et al.			
		5,581,324	12-1996	Miyai et al.			
		5,677,757	10-1997	Taniguchi et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
<i>AM</i> ↓ <i>AM</i>		GB-A-2 138 163	10-1984	Great Britain			
		EP-A3-0 307 726	03-1989	Europe			
		EP-A1-0 660 169	06-1995	Europe			
		JP-A-59-144127	08-1984	Japan			
		JP-A-62-35619	02-1987	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>AM</i>		English-language translation of JP-A-59-144127. (partial)					
<i>AM</i>		English-language translation of JP-A-62-35619. (partial)					
EXAMINER <i>Alan Mathews</i>					DATE CONSIDERED <i>10-11-2005</i>		
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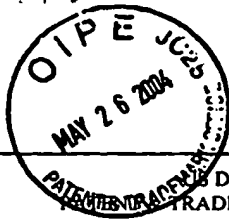
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		4,688,904	08-1987	Hirose			
		4,905,041	02-1990	Aketagawa			
		6,268,903	07-2001	Chiba et al.			
		6,377,333	04-2002	Chiba et al.			
		5,303,001	04-1994	Jeong et al.			
		5,995,263	11-1999	Tokuda et al.			
AM		6,262,793 B1	07-2001	Sasaya et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
AM		GB-A-2 138 163	10-84	United Kingdom			
		EP-A2-0 307 726	03-89	Europe			
		EP-A1-0 660 169	06-95	Europe			
		JP-A-59-144127	08-1984	Japan (with abstract)			
AM		EP-A2-0 307 726	03-1989	Europe			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
AM		Numerical Recipes in C, The Art of Scientific Computing, Second Edition (1998), William H. Press et al., Cambridge University Press, New York, Chapters 16.0 and 16.1.					
AM		"Optical Shop Testing" edited by Daniel Malacara, John Wiley & Sons, Inc. New York, Second Edition (1992), page 577.					
AM		RMS Dictionary of Light Microscopy, S. Bradbury et al., Royal Microscopical Society (1989), Oxford University Press.					
AM		"Technologische Möglichkeiten zur Unterdrückung der Wirkung von Oberflächenfehlern optischer Präzisionsbauelemente in Hochleistungsoptik", C. Hofmann et al., Jena; Jahrbuch für Optik und Feinmechanik 1993, p. 45-86; Fachverlag Schiele & Schön GmbH, Berlin 1993 (with translation).					
AM		"Taschenbuch der Mathematik", I.N. Bronstein et al.; Verlag Harri Deutsch Thun und Frankfurt/Main, 22 nd ed. 1985; Chapter 7.1.2.9.1 (page 769) (with translation).					
AM		"Synthese optischer Systeme", H. Haferkorn et al.; VEB Deutscher Verlag der Wissenschaften Berlin, 1984, pages 68-84 (with translation).					
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(REV. 8-83)U.S. Dept. of Commerce
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104685.05APPLICATION NO.
10/829,159

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)
Hiroshi CHIBAFILING DATE
April 22, 2004

GROUP

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AM		"Nanometer Aspherics - How and for what Purpose are they Fabricated?", C. Hofmann et al., Optical Assemblies, Feinwerktechnik & Messtechnik 99 (1991), 10, pages 437-440, © Carl Hanser Verlag, Munich 1991.

EXAMINER Alan MathewsDATE CONSIDERED
10-11-2005

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Date: May 26, 2004